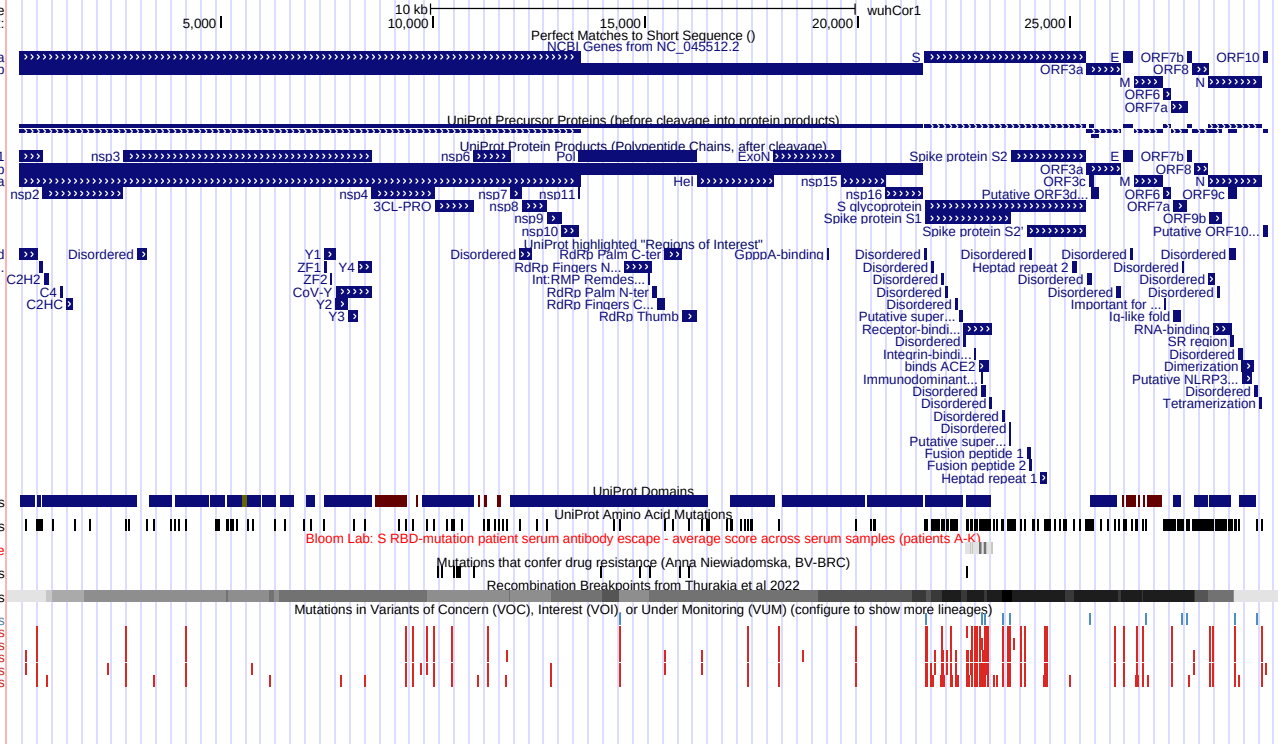
Scale
NC_045512v2:
10 kb
wuhCor1
5,000
10,000
15,000
20,000
25,000
Perfect Matches to Short Sequence ()
NCBI Genes from NC_045512.2
ORF1a
ORF1ab
S
E
ORF7b
ORF10
ORF3a
ORF8
M
N
ORF6
ORF7a
UniProt Precursor Proteins (before cleavage into protein products)
UniProt Protein Products (Polypeptide Chains, after cleavage)
nsp1
nsp3
nsp6
Pol
ExoN
Spike protein S2
pp1ab
pp1a
ORF3c
Hel
nsp15
nsp2
nsp4
nsp7
nsp11
3CL-PRO
nsp8
nsp16
Putative ORF3d...
ORF9c
S glycoprotein
Spike protein S1
ORF9b
nsp9
nsp10
Spike protein S2'
Putative ORF10...
UniProt highlighted "Regions of Interest"
Disordered
Binding to 40s...
Y1
ZF1
Y4
ZF2
C2H2
C4
CoV-Y
C2HC
Y2
Y3
RdRp Palm C-ter
GppA-binding
RdRp Fingers N...
Int:RMP Remdes...
RdRp Palm N-ter
RdRp Fingers C...
RdRp Thumb
Heptad repeat 2
Putative super...
Receptor-bindi...
Integrin-bindi...
binds ACE2
Immunodominant...
Fusion peptide 1
Fusion peptide 2
Heptad repeat 1
Important for ...
Ig-like fold
RNA-binding
SR region
Dimerization
Putative NLRP3...
Tetramerization
Protein Domains
UniProt Domains
Mutations
UniProt Amino Acid Mutations
Bloom Serum Average
Bloom Lab: S RBD-mutation patient serum antibody escape - average score across serum samples (patients A-K)
Drug Resistance Mutations
Mutations that confer drug resistance (Anna Niewiadomska, BV-BRC)
Recomb. Breakpoints
Recombination Breakpoints from Thurakia et al 2022
Mutations in Variants of Concern (VOC), Interest (VOI), or Under Monitoring (VUM) (configure to show more lineages)
Delta AA Muts
Omicron BA.2 AA Muts
Omicron XBB.1.5 AA Muts
Omicron XBB.1.16 AA Muts
Omicron EG.5.1 AA Muts
Omicron JN.1 AA Muts